

EF

Notice of Allowability	Application No.	Applicant(s)	
	10/606,768	HA ET AL.	
	Examiner	Art Unit	
	Chuc D. Tran	2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to January 27, 2006.
2. ☒ The allowed claim(s) is/are 1,3-14 and 16-18.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

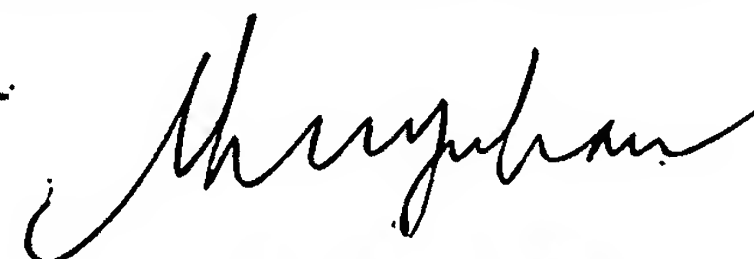
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>01/27/06</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |



THUY V. TRAN
PRIMARY EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

- claim 16, line 1, "claim 15" has been changed to - - claim 14 - -;
- claim 16, line 3, "voltage source is 15" has been changed to - - voltage source is -15 - -;
- claim 17, line 1, "claim 15" has been changed to - - claim 14 - -.

Drawings

2. The drawings were received on June 27, 2003. These drawings are accepted.

Allowable Subject Matter

3. Claims 1, 3-14 and 16-18 are allowed.

Reasons for Allowance

4. The following is an examiner's statement of reasons for allowance:

Prior Art of record fails to disclose or suggest the combination of the limitations as set forth in independent claim 1: a capacitor connected between the first switch device and the second switch device, wherein a cathode terminal of the electro luminescence cell is connected to a cell support voltage source of a positive voltage, and specifically comprising the limitation of an aging circuit having at least one aging AC voltage source for applying a specific aging AC voltage pulse to the pixels.

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Claims 3-7 are allowed for the reason given in the claim because of their dependency status from independent claim 1.

Prior Art of record fails to disclose or suggest the combination of the limitations as set forth in independent claim 8: a first switch device formed between a cell drive voltage source and the electro luminescence cell for driving the electro luminescence cell; a second switch device connected to the cell drive voltage source to form a current mirror with the first switch device; a third switch device connected to the second switch device, the column line and the row line for responding to a signal in the row line; a fourth switch device connected between the third switch device and gate terminals of the first and second switch devices; a capacitor connected between the cell drive voltage source and the gate terminals of the first and second switch devices, wherein a cathode terminal of the electro luminescence cell is connected to a cell support voltage source of a positive voltage; and specifically comprising the limitation of an aging circuit having at least one aging AC voltage source for applying a specific aging AC voltage pulse to the pixels.

Claims 9-13 are allowed for the reason given in the claim because of their dependency status from independent claim 8.

Prior Art of record fails to disclose or suggest the combination of the limitations as set forth in independent claim 14: applying a plurality of aging AC voltages to the pixels, the aging AC voltage is applied in an AC voltage pulse; and causing an electro luminescence cell within the pixel to emit light by the aging AC voltage in accordance with a current corresponding to a current path formed wherein the electro luminescence cell emits light in accordance with a

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voltage difference between a cell support voltage source and a cell drive voltage source corresponding to the current path.

Regarding claims 16 & 17 are allowed for the reason given in the claim because of their dependency status from independent claim 14.

Prior Art of record fails to disclose or suggest the combination of the limitations as set forth in the claim: a second aging AC voltage sources that are switched between 0V and a specific negative voltage, the specific negative voltage is different for each aging AC voltage source; and a third aging AC voltage source for turning on the first and second aging switch devices.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation of relevant prior art

Prior art Feldman (USP. 6,501,230) disclose display with aging correction circuit.

Inquiry

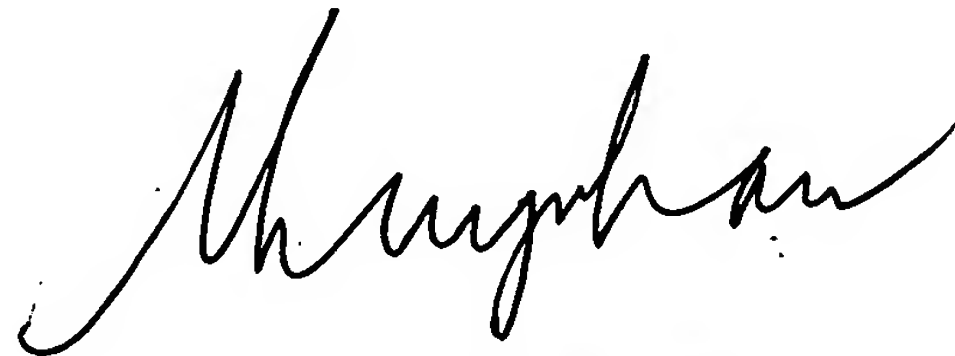
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuc D. Tran whose telephone number is (571) 272-1829. The examiner can normally be reached on M-F Flex hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC
April 12, 2006



THUY V. TRAN
PRIMARY EXAMINER